



# HI-Q

## THE LAKEHEAD AMATEUR RADIO CLUB JOURNAL

LARC- Suite 184, 1100C Memorial Ave., Thunder Bay, Ontario, Canada, P7B 4A3

VE3FW - LARC call sign - honours the memory of the Founding President - P. J. "Pat" O'Shea

### LARC SENATE

Keith Fiske	VE3JQ
Ray Forslund	VE3EDZ
Ray Greer	VE3CH
Dave Kimpton	VE3AVS
Bill Klemacki	VE3AJ
Bill Roberts	VE3ARN

### LARC EXECUTIVE

President:	Bob Hansen	VE3RVA 767-6924
Vice-Pres:	Mark Vaillant	VA3MVR 935-2205
Secretary:	Judy Artist	VA3EAP 345-2218
Treasurer:	Jan Sokoloski	VA3JRS 344-3222
Directors:	Ed Baumann	VE3SNW 622-1216
	Andy Malcolm	VE3INI 345-1858
	Maureen Meredith	VA3MOB 344-7868
	Pat Pugh	VA3PP 345-8562

### LARC OPEN ACCESS REPEATERS

VE3YQT	MOUNT BALDY	147.06	(-600)	FP
VE3TBR	ST. JOSEPH'S	146.820	(-600)	FP
VE3BGA	HILLCREST H.S.	147.390	(+600)	
VE3TBB	UPSALA ONT.	145.470	(-600)	FP

(linked to VE3YQT)

### PREZ SEZ.....

It was a warm summer but it is finally cooling down. I hope that each and every one of you had a wonderful summer vacation. With the passing of Skip **VE3BBS** on September 18, it was a difficult time to start the year off for the LARC.

As time went on, and with the help of the Executive and members, I would say that this year's LARC was a success. At the next meeting on September 13/2001 (**in Room 191 of the McIntyre Building**), there will be an election for a new Executive. This is your chance to become involved in your club's decisions. Please come to this meeting. Memberships can be obtained at this meeting; hope to see you there.

Bob **VE3RVA**

Your President

few more hellos and goodbyes, the family jumped on their bikes and were

escorted by police and other parties to McDonalds on Memorial Ave. for some well deserved chow and rest.

July 21 started with a tour of the city provided by Lake Superior Visits and a van supplied by Thrifty Car Rentals. The family was introduced to one of this city's best kept secrets, PERSIANS. A couple of dozen were brought to the motorhome and were squirreled away for the trip to the west. Jim took time to update the web site and fill in the blanks of the travels along the north shore.

Sunday July 22 was to be a 240km ride to Ignace, no easy task on a bike. Dave and Randy met the family just west of the city limits for some final goodbyes and words of encouragement. With a final wave, and the family tucked into the motorhome, we saw a trail of dust as a family on a mission headed into the sunset. (Thanks to Randy VA3GOT for submitting this item)

## 2001 THUNDER BAY TRIATHLON ETC....

The race was about an hour late in starting due to fog! This year's event included a number of smaller races both bicycle and running. It was again well attended by a large number of competitors.. Thanks goes out to the operators that took part. They are Bob VE3RVA and XYL Gail, Norm VE3XRC, Linda VE3XLB, John VA3JMS, Wayne VA3WRL, Terry VA3TFS, Ed VE3SNW, Mark VA3MVR, Chris VA3TBA, and Dan VE3DWP. This race couldn't have been successful without all of you. Many Thanks. (Thanks to Bob VE3RVA for submitting this item)

## FIELD DAY 2001

Held the last weekend of June, field day is an opportunity for amateur radio operators to participate in a major simulated emergency test across Canada and the United

## CYCLING FOR CHILDREN AND RONALD MCDONALD HOUSE

Back around January, I received an email from Rob MacKenzie VE3SQJ to inform me about a gentleman and fellow amateur who had taken on the task to raise awareness about Ronald McDonald House. Jim Jutte, his wife Nancy and their children had first hand experience with Ronald McDonald House when Jutte twins were sent to Sick Children's Hospital in Hamilton Ontario. As a result

of losing one of the twins, the Jutte family decided to bike across Canada to tell others in small communities about this organization. Cycling for Children took about a year to put together and started in Newfoundland in April of 2001.

A few of the local amateurs had been tracking his progress since he had left Nfld. and became more active as Jim got closer to our city. Using email and repeaters, we were able to talk to Jim along the north shore of Lake Superior providing directions and assistance when he needed it. Jim's first experience with a simplex repeater in Nipigon proved to be interesting, saying that " it is weird to hear yourself talking" and that it takes some getting used to.

Well, after a few hundred miles of saddlesores, Jim, Nancy and their family arrived in Thunder Bay on July on July 20. Dave VE3AVS and Randy VA3GOT rode out to meet the Jutte's at Lakeshore Drive and Hwy. 11-17. After intros all around, we set out for Terry Fox Lookout to meet the press and the welcoming committee. At the entrance to the lookout, we set up the bikes for the family to ride and let them make the last leg up to the lookout. Many wellwishers (including Norm VE3XRC and Linda VE3XLB) and some stunned tourists made them welcome. Jim took a minute to talk to the press. He then walked to the Terry Fox monument and had a very spiritual moment there, knowing he would be carrying a torch of a different light to the end of his journey. After a

States. Operating under emergency conditions, the 24 hour period starting at 1800 UTC on Saturday and running until 1800 UTC on Sunday

gives amateurs an excellent opportunity to practice their operating skills. This year, the LARC set up on the Vaillant property located on Oliver Road adjacent to Sunset Memorial Gardens (no complaints from the neighbours). Keeping things simple, two wire and two vertical antennas were utilized with power being supplied by **VE3RVA**'s generator. During the weekend, 359 contacts were made, 208 SSB and 151 CW. Utilizing 4 radios, all the HF bands were used at one time or another. For the LARC, field day is more than a contest, it is a time to socialize and an opportunity for new amateurs to get a taste of operating HF. As part of the social aspect, executive chefs **VA3JRS** and **VA3AMY** fired up the BBQ - calling CQ field day works up an appetite. Primary operators were **VE3AJ**, **VE3SNW**, **VE3RVA**, **VE3XRC**, **VA3LU** and **VA3EAP** with numerous other club members dropping in throughout the weekend for a visit and a chance to operate. The weather was perfect and the hospitality of **VA3MVR**, Mark Vaillant was second to none making field day 2001 a very enjoyable experience. (Thanks to Norm **VE3XRC** for this article)

## NIPIGON REPEATER UPDATE.....

The Nipigon repeater consists of two motorola radios, a gm300 and a maxtrac. The gm300 is the linking radio, and it is hooked to the unity gain antenna, with about 10 watts of power. The maxtrac is the nipigon receiver/transmitter with about 25 watts of power fed into the two bay dipole antenna. This radio also has an extra heat sink added to it, due to the amount of transmitting done. The radios were linked using instructions found on [www.batlabs.com](http://www.batlabs.com). The power supply is the one that was used for the simplex repeater. Not sure what else to tell you, anything more you need to know for you article, email me back. (Thanks Tim **VE3ECS** for this news)

Hi Folks,

A story submission for your respective newsletters.

### **A BRILLIANT IDEA> by Jerry Proc **VE3FAB****

During the Manhattan project in W.W.II, there were three methods proposed for the enrichment of Uranium-238 in order to produce the precious U-235 the atomic bomb. Proposed were - gaseous diffusion, electromagnetic separation and centrifugal separation. All three were to be evaluated and the most efficient process would then put into immediate production. Electromagnets, needed for that process, would consume enormous amounts of copper but where would such vast quantity be acquired during wartime?

The answer was found in the U.S. Treasury where a large quantity of silver bullion was stored. After the paperwork was completed, tons of bullion bars were melted and drawn into wire for the electromagnets. After evaluations were completed, the gaseous diffusion method was the clear winner and the other two were immediately abandoned.

All the silver wire was then salvaged, melted back into bullion bars and returned to the Treasury. To ensure that no silver would go astray, an army of accountants and sentries followed the precious metal from the treasury to the smelter, to the wire manufacturer then back to the smelter. Believe it or not, only less than an ounce of silver was lost after processing tons of material. The loss was attributed to the material which was shaved off by the dies when the wire was being pulled!

There is one other piece to the story. In order to thwart any possible espionage during the course of the Manhattan project, uranium was assigned the code name "copper". Real

copper (Cu) was called "honest to God copper".

(Thanks to John **VE3WF** for forwarding this story).

## N.Y. CELL PHONE LAW AND HAM RADIO.....

>From - The ARRL Letter Vol. 20, No. 27 July 6, 2001

New York cell phone law does not apply to Amateur Radio: The widely reported New York bill banning the use of hand-held cell phone while driving should have no affect on Amateur Radio mobile operation, according to ARRL General Counsel Chris Imlay, **W3KD**. "There is no ambiguity in the bill," he said. The bill, A.9280, was signed into law recently by Gov George Pataki, a former amateur. It requires cell phone users to use hands-free devices when calling. The measure specifies "mobile telephone" use, and defines a "mobile telephone" as a device used by subscribers to a wireless telephone service. That, in turn, is defined to specify a commercial two-way wireless telecommunications service that accesses the public switched telephone network. The bill also specifies "using" as holding the mobile telephone "to, or in the immediate proximity of, the user's ear." The new law will be phased in starting November 1. It calls for fines of up to \$100. The measure also calls upon the New York Commissioner of Motor Vehicles to study the effects of the use of mobile telephones "and similar equipment" in conjunction with the operation of a motor vehicle and report back to the legislature in four years. The full text of the measure is available on the New York legislature's Web site:  
<http://assembly.state.ny.us/leg/?bn=A09280&sh=t> . A similar measure requiring hands-free cellular telephones recently passed the Rhode Island legislature.

From: The ARRL Letter Vol. 20, No. 25 June 22, 2001

## Hams assist US Navy flight

Participants on the 20-meter Maritime Mobile Net June 13 were a bit surprised when a ham aboard a US

Navy plane checked in for assistance. John Pierce, **KC4YWP**, informed the Net that the Navy aircraft--using the military call sign "Copperhead 5"--had lost communication with its base. "He asked us to place a telephone call to his base to inform them he was returning due to loss of communications," said Bob Puharic of Pennsylvania--one of the net controllers. Puharic said that retired US Air Force Col Bob Botik, **K5SIV**, placed the call and informed Copperhead 5 that it had been delivered. "The US Navy thanked the net and secured," Puharic said.

## INFORMATION FROM RAC BULLETINS....

The RAC Board recently approved the addition of a Multi-Single category to both the RAC Canada Day Contest and the RAC Winter Contest. The rules for both contests will be amended to reflect the new category. The definition of the new Multi-Single category will be: Only one transmitter and one band permitted during the same time period (defined as 10 minutes.) Exception: One and only one other band may be used during any 10-minute period, if andonly if the station worked is a new multiplier. In other wordsthe Multi-Single Transmitter class allows a second station to "hunt" for multipliers only on a separate band.  
The addition of this new category is effective for this year's Canada Day Contest. The RAC Board also approved the adoption of the following abbreviations for both Contests:

Yukon VY1 abbreviation to be YU  
Nunavut VY0 abbreviation to be NU  
Northwest Territories VE8 abbreviation to be NT

While the following only affects amateurs in Ontario, we believe that the repercussions of the passage of this bill could eventually

affect other regions of Canada... Bill 49 titled "To amend the Highway Traffic Act to prohibit use of phones and other equipment when driving on a highway" has received

First Reading in the Ontario Legislature. The Explanatory Note mentions cellular phone, car phone, portable computer and fax machine. As this may include Amateur Radio equipment, Radio Amateurs of Canada has filed Comments with the author and copies to the party leaders. Please refer to RAC web site <http://www.rac.ca/bill49.htm>.

There you will find details on Bill 49 and suggestions on how you can forward a copy of the RAC Comments to your MPP with your own comments. Second Reading is not expected until Fall.

To encourage Morse Code proficiency, Radio Amateurs of Canada now offers a Certificate of Proficiency in Morse Code, to be issued by the RAC Awards Manager, in recognition of candidate Morse code proficiency at speeds of 12, 15, 20, 25,

30, 35, and 40 WPM. A new dated certificate will be issued with each new 'qualification' earned. The examination and certificate are also available in the French language. A charge of \$5 is assessed to cover printing, handling and postage costs.

Testing may be performed by any Accredited Examiner holding a current Industry Canada Letter of Authority who voluntarily chooses to participate in this program. Certificate testing is for proficiency in Morse Code reception using the Industry Canada

RIC-1 standards. The examination may be generated by any of several software programs or audio tapes prepared using such a program, using suitable text selected by the Accredited Examiner. Accredited Examiners may also authorize the certificate application form for candidates who produce an original Advanced Amateur, First Class or Second Class Commercial, or military Morse Code qualification certificate issued by the Canadian government to that candidate, for the receiving speed shown on that certificate. Details, software and forms downloads are available on the RAC website: <http://www.rac.ca/morseprog.htm>

The RAC Board of Directors take great pleasure in announcing their election of Glenn McLeod,

**VE3GLN** of Ottawa, as the Canadian Radio Amateur of the Year for 2000. Glenn retired as a Major in the Canadian Armed Forces in 1988 and is currently logistics officer at the Communications

Research Centre. He was licensed in 1978 as **VO1DV**, later as **VE3MPR** and now **VE3GLN**. He is active on all bands and modes from 160 metres through to 70 cm with 270 countries

confirmed. Glenn's contributions to amateur radio are many, however it is for one particular achievement that Glenn earned this award for the conception and organization of a record-breaking 35A Field Day entry in the Ottawa-Hull region. It was this event where the opening ceremony was honoured with the presence of representatives from RAC, RAQI and the ARRL. The event was officially opened by Michael Binder, Assistant Deputy Minister, Spectrum Management, Industry Canada, who addressed the public and emphasized the contribution of Amateur Radio to the service of the public. An engraved silver tray, will be presented to Glenn by Doug Leach, VE3XK, RAC Ontario - North Regional Director.



**"Run for Women" volunteers Al – Cody – Glen  
Chris – Mark – Jan**

**Minutes of a Meeting of the Lakehead Amateur Radio Club  
held in Room C242, 2<sup>nd</sup> Floor, Confederation College, Shuniah Building  
June 12, 2001**

The meeting was called to order at 7:35 by the President VA3RVA, Bob Hansen with 36 members and guests in attendance. The meeting started with a roundtable of members and guests introducing themselves.

VE3RVA, Bob Hansen expressed his appreciation along with the club=s for a great year and thank you=s went out to all those who helped on committees, the technical crew, volunteers, executive and last but not least, the members of LARC. Congratulations also went out to three new amateurs, Teresa, Roy and Stephan.

**Minutes of the Meeting held on May 10, 2001:** The minutes of meeting held on May 10, 2001 were published in detail in the May issue of **Hi-Q** and distributed to all members.

**Motion:** moved by VE3AVS, Dave Kimpton and seconded by VE3BHN, Bob Gillespie that the minutes be accepted as distributed. **Carried.**

**Correspondence:** A letter was read from John Garland, Director of the Organizing Committee of the Shoppers Drug Mart 10 Mile Road Race thanking the LARC for continued support in this event.

- A flyer was received from the Manitoba Amateur Radio Museum Inc. advertising their 7<sup>th</sup> annual Ham Fest to be held August 17/18, 2001, Austin, Manitoba.

VE3XRC, Norm Bell, Assistant Director for RAC, Ontario North passed on the following information;

- letter from Scott Moody, VA3EXT informing us of equipment stolen and has advised us to be on the lookout of said equipment if someone is trying to sell it. The equipment stolen is listed and on file.

- letter from Doug Leach, VE3XK, Director, Ontario North Region reporting on a question that - Bill 49 (re Cell phone use in vehicles) should not apply to amateur radio, CB, Taxi=s etc.? The fact that amateurs play a very important role in emergency response was so noted and such people should not be charged with Careless Driving while operating said equipment. This Bill is a long way from passage, but will be looking with interest for any further developments.

**Treasurer=s Report:** VA3JRS, Jan Sokoloski

Balance as of April 30, 2001	\$ 2,438.31
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Income:	50/50	13.00
	Class Fee	<u>40.00</u>
		<u>53.00</u>

Expenses	Administration	9.32
	Charitable Donation	50.00
	Hi-Q	57.14
	Telephone	<u>40.37</u>
		<u>156.83</u>

Balance as of May 31, 2001	\$ 2,434.68
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**Motion:** Moved by VA3EAP, Judy Artist and seconded by VA3ZG, Mike Nawrocki that the Treasurer=s Report be accepted. **Carried.**

**Committee Reports:** VA3GOT, Randy Gottfred reported on ~~AM~~ McDonald's Cycling Across Canada. They will be in Hamilton June 19, 2001. Randy will inform us when we will be needed to help him when they travel through our area.

**ARES:** Randy has call-out sheets (telephone tree) and message sheets.

**Equipment:** VA3LU, Terry Stewardson reported that YQT is working just fine, still working of TBA and BGA

is off the air (building new one), still working on Upsala repeater.

**Amateur Classes:** VE3SNW, Ed Baumann reported classes went well this year. He thanked all members who helped by attended and bringing in ~~stuff~~ to show. There were 4 graduates so far.

**Canwarn:** VA3JMS, John Sacek reported there was a good turnout of members to the Canwarn training session at the weather station.

**Field Day:** VA3MVR, Mark Vaillant says everything is ready for Field Day, June 23 and 24. He has asked members to sign up and list the equipment they will be bringing on that day.

**Public Service:** VE3XLB, Linda Bell thanked all operators for 10 Mile Road Race.

- VE3RVA, Bob Hansen is looking for 10 operators July 21, Saturday for the Triathalon.

- operators also needed on August 12, Sunday for the In-line Skating Marathon, McKenzie Beach Rd.

**Old Business:** Motion by VA3BRN, Gerry Burney and seconded by VE3MPT, Manuel Migueis, that we donate \$100.00 for the CNIB Amateur Radio Program. **Carried.**

**New Business:** VA3LU, Terry Stewardson, VE3SNW, Ed Baumann and VA3GOT, Randy Gottfred volunteered to be on the Nominating Committee for next year's executive.

**50/50 Draw:** The winner of the 50/50 Draw was VE3AXL, Phil Moorey.

**Adjournment:** Moved by VE3SNW, Ed Baumann that the meeting be adjourned.

**Guest Speaker:** VE3FAL, Fred Lesnick brought the members outside and attempted to call up a sattelite using 2M and a beautiful home-made antenna. We all waited with baited breath, but to no avail. Thanks Fred (and Teresa, VE3TLL) for the great effort. We went inside and Fred showed us a program on the computer from Radio Amateur Satellite Corporation, an introduction to Amateur Satellites. A very interesting presentation, thank you Fred !!!

**We met the NICEST people while roller blading/skating at Grandview Arena this summer.....**



**Other "Holy Rollers" (too bashful for the camera) were VE3's XRC, AVS and VA3BRN!**



**Above – VE3JNJ/m with girls and escort at McDonalds Thunder Bay (Tks Randy VA3GOT)**



**Above – VE3JNJ/m wheeling into Vancouver, BC – Sept. 2**

## 2001/2002 MEMBERSHIP/RENEWAL APPLICATION



### LAKEHEAD AMATEUR RADIO CLUB INC

1100C MEMORIAL AVE, SUITE 184, THUNDER BAY, ONT P7B 4A3

#### CLASS OF MEMBERSHIP

FULL MEMBERSHIP \$35.00-open only to licensed amateurs

NAME : \_\_\_\_\_ EMAIL \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY \_\_\_\_\_

TELEPHONE:(      ) \_\_\_\_\_ POSTAL CODE \_\_\_\_\_

MAY WE PUBLISH THE PHONE NUMBER yes / no      MAY WE DELIVER HiQ BY E-MAIL? yes / no

CALL(S) \_\_\_\_\_

**FAMILY MEMBERSHIP-** immediate family residing at the same address holding licenses.

\$35.00 plus \$10.00 for each additional amateur.

NAMES AND CALLS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STUDENT MEMBERSHIP-\$15.00**-open to persons enrolled full time in a education facility.

List School and program\_\_\_\_\_

**ASSOCIATE MEMBERSHIP-\$20.00-upon approval of the Board and open to:**

- 1) non holders of an amateur radio license.
- 2) licensed amateurs living outside the immediate Thunder Bay area or are unable to attend regular meetings of the club.

**If you feel you qualify for associate membership, please indicate why, on a separate sheet, to be used by the Board to consider your application.**

Please mail or bring this form to the September meeting with your cash or cheque for membership fees. Cheques should be made payable to Lakehead Amateur Radio Club. Applications and cheques can also be dropped off at the above address.

**DEADLINE FOR PAYMENT IS 30 SEPTEMBER 2001.**

**THIS ISSUE OF HI-Q SENT TO  
YOU COMPLIMENTS OF THE  
LAKEHEAD AMATEUR  
RADIO CLUB.**

**REGULAR MONTHLY LARC MEETING  
THURSDAY SEPTEMBER 13<sup>TH</sup> 1930 HRS  
ROOM 191 MCINTYRE BUILDING  
CONFEDERATION COLLEGE**